Monogritphe of the ('ultoy)terous genu.. Calociuronus of the femily Lycide: by (ilis. O. Waterhousti.

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\text { C'alochrowis, Guérin, } 1833 .
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The species of this genus differ from all the other Lycide (except Ifomulisu:.) in having the elytra withont distinct cariua separated by rows of punctures ; the whole surface of the elytra is finely and densely punctured and pubescent, and there are generally two or three obscure raised lines on each elytron. The species of the genus will probably be found to be numerous; some of them rery much resemble Telephorus in their appearance. The males have the antenne much longer, aml less compressed, than in the females, and the penultimate segment of the abdomen is notehed or emarginate at the apex. Before attempting to determine any species it is quite necessary to ascertain the sex of the specimen for which a name is sought.

1. Maxillary palpi very short, thick and compact, the apical joint nearly globular.

> ('. gluuropitertes, Ginérin.

Cyaneo-niger, sub-nitidus, thorace elytrormmpue basi flavis. Long $5 \frac{1}{2}-7$ lin.

Hab, Dorey and Waigiou. Brit. Mus.

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C. scutellaris, Erichs (PI. II, f. 1).
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Niger, nitidus: Alytris ferrngineo-flavis, puhescentibus. Lomg. $4-\frac{1}{2}$ lin.

Thoras with a deep, mesial chamel, leepest behind, with a fine line rommeg through the middte of it, from the anterior to posterior margin : the lateral impressions very deep, the anterior one not separated from the posterior. The elytra are sulbparallel, rusty-yellow, sometimes with the scutellar region black.

Hab, N.W. Australia, Brit, Mns.

## C. basalis, n. sp. (Pl. II, f. 2).

Niger, nitidus; elytris dimidio basali ferrugineo, quadricostatis, apicem versus paulo angustatis. 우 . Long. 5 iin .

Closely allied to C. scutelluris, but relatively broader; thorax broader, with a deep mesial impression, broader in the middle : there is a deep ronud fovea at the anterior angle, and a deep impression within the posterior angle, the part between the anterior fovea and the posterior impression raised, so that the impressions are not confluent as in the preceding species. The antenne are broader than in scutelluris, in which the fourth joint is twice as long as broad. whereas in busalis it is not more than $\frac{1}{3}$ longer than broad.

Hab. Swan River. Brit. Mus.

## C. Ginerimii, W. MacLeay.

Cyaneo-niger ; thorace elytrisque ochraceis pubescentihus, his apice cyaneo-nigris. Long. $5 \frac{1}{2}$ ( $;$ lin.

Hab. Cape York; Rockhampton. Brit. Mus.
One example in the Museum collection has the sutural line of the thorax black; and the apex of the elytra very slightly tipped with blue-black.
II. Maxillary palpi less rompactly jointed, apical joint not globnar.

* Head visible from above; forehead tuberose: a narrow space between the eye and the antemal pit.
C. melunurus, n. sp. (Pl. II, f. :3).

Cyaneo-niger, nititulus; brevissime pubescens; thorace medio canaliculato, ad angulos anticos impresso, intra angulis posticis foveâ rotundatà impresso, basi marginato: elytris ferrugineoHavis, dense puhescentibus, prope suturan striatis, interstitiis convexiusculis, apice nigro. Long. $4 \frac{1}{2}-7 \frac{1}{4}$ lin.

Forehead between the eyes very prominent. Antemna as long as the elytra, the two basal joints shining, the rest finely punctulate. Thorax very delicately and elosely punctured, scarcely pulescent: dise with a fine mesial line, more deeply impressed behind, there is a deep impression at each anterior angle, the posterior angles are rather inflated, and within them
there is a deep impression ; the hase is margined. The elytra are rusty yellow, dull and pubescent, bluish-black at the a!ex, striated near the suture, the interstices rather convex.
llal, Penang, Javia, Sumatra. Brit. Mus.
C. mbutus, n. sp. (Pl. II, f. 4).
itatura omnino pracedentis, diftert tamen antemnarum artioulo tertio longiori; elytris totis ferrugineis. Long. i-l $6 \frac{1}{2}$ liu.

This species differs only from C. melonurus in having the elytra uniform rusty yellow, and in having the thircl joint of the antenna nearly three times as long as its greatest width, whereas in $C$. melcourus it is at most twice as long as broad.

Hab. Philippine Islands, and Darjeeling. Brit, Mus.
** Forehead gently convex ; heal generally not visible from ahove : margin of the antemal pit contiguous to the eye.

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\text { C. 'rpicalis, Hope }{ }^{*} \text { (Pl. II, f. } 5 \text { ). }
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Omalysus apicolis, Hope, (tray, Zool. Miscel. 1831, p. 26.
Niger; elytris rutis, plagà magna basali nigrà ; thorace transverso, medio canaliculato, utrinque buimpresso, angulis rotundatis: elytris thorace panlo latioribus, postice parrun ampliatis, apice rotumdatis, pubescentibus, singulis dorsim lineis yuinque impressis, interstitiis angustis convexiusculis t. Long. 6 lin., lat. $2 \frac{1}{6}$ lin.

Rather a broad species. Antenna rather stout, half the length of the loody, fourth joint as long as the two previous joints taken together, the fifth a little shorter, the sixth and minth slightly increasing in lengtl, very little compressed, truncate at their apex. Thorax a tuarter iroader than long, moderately shining, all the angles rounded, especially the anterior, the central impressed line reaching from the posterior to the anterior margins, well defined and of equal depth: on each side are two large deep impressions separated from each other by an oblique ridge. The elytra are at the base a little loroder than the thoras, a little wider posterionly, red, with a hack patch ratending from the base th the pesterior two-thirds, leaving the margins and the apex red ; each elytron has five impressed

[^0]lines, the interstices narrow and slightly convex. The penultimate segment of the abdomen has a trapezoidal emargination at the apex.

Hab. Nejral. Brit. Mus.
The above description is taken from Hope's original specimen.
('. remulus, n. sp. (Pl. II, f. 6.)

Niger, sub-opacus; thorace medio canaliculato, utrinque bïmpresso : elytris dimidio hasali ferrngineo-flavo, singrulis tricostatis. Long. $3 \frac{1}{2} 4 \frac{3}{4}$ lin.

Head conver, shining, rather closely and excessively finely punctured, rostrum* very short, strongly transverse, at the base of each antenna there is a slight romnd tumour ; mandibles pitchy. Thorax shining, clothed with very delicate grey pubesrence only visible in some lights. Flytra densely pubescent, with the basal half rusty-yellow, each with three distinct rooflike costa, and with an indication of a fourth.
\& Antenne nearly as long as the elytra, third joint a little elongate, very obliquely truncate at the aper, fourth joint as long as the two preceding taken together, compressed, broader than the third, the 5th to loth the same length as the third, the eighth, ninth and tenth diminishing in width, the fifth to eighth with the lower anterior angle a little produced, the eleventh joint a little longer and much narrower than the pre(eding. Thoras sul)-quadrate, rather straight at the sides, arched in front, with a deep mesial longitudinal channel, and an each side two deef, forear, the raised portion dividing the fovea oblique. Penultimate segment of abdomen triangularly emarginate at the apex, and with a deep longitudinal mesial chamel.
of Antenne $\frac{2}{3}$ the length of the elytra, third joint as broad :at its apex as long, fourth to ninth soarcely longer than broad, the tentl a little narrower, eleventh narrowed at the apex. 'Thorax a little hroader than long, rather narrowed in front; the rest as in the male.
llab. Saranak (Wallace). Brit. Mus.

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\text { C. mifulus, n. sp. (Pl. II, f. } \overline{7} \text { ). }
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Elongatus, niger ; elytris piceo-testaceis, dense rubro-sericeis, striis impressis, interstitiis convexinsculis, $\boldsymbol{2}^{\circ}$ et $4^{\circ}$ sub-costatis of. Long. $5 \frac{1}{2}$ lin.

IIcad gently convex, impressed on the forehead; rostrum extremely short, space between the antennal pit and base of the mandible about half the diameter of the antennal pit. Antemax about $\frac{2}{3}$ the length of the elytra and (for the gemus) rather slender. the sixth to tenth joints slightly diminishing in length, and a trifle more slender, eleventh joint a little longer. parallel, scarcely acuminate at the apex. Thorax black, margined, delicately pubescent, dise transversely impressed behind the middle, deeply impressed in front of and behind the obligue lateral ridge. Penultimate segment of abdomen with a deep incision.
llab. Allahabad (J. C. Bowring, Esq.). Brit. Mus.
C. ruber, n. sp. (Pl. II, f. 8).

Elongatns, niger supra, piceo-testaceus dense rul)ro-sericeus; thorace medio longitudinaliter canaliculato, lateribus bifoveatis : elytris minus elongatis unicoloribus, obsolete bicostatis of. Long, $5 \frac{3}{4}$ lin.

Antema compressed, third joint as long as the two preceding together, fouth a little longer, truncate at the apex, fifth 10 ninth nearly the same form, but gradually more obliquely trincate at the apex, so that the lower anterior angle becomes more acute but is not produced, the tenth joint is rather smaller, very oblipuely truncate, the eleventh narrow, parallel, acuminate at the apex.

Hab. Allahabad (J. C. Bowring, Esq.). Brit. Mus.
This species is very close to C. rugatus, and I thonght that it might, perhaps, be the female of that insect, but the lateral oblique ridge of the thorax is phaced more posteriorly (see lig. ). and the lateral impressions are not so well defined ; the space between the antennal pit and the base of the mandible is also much greater.
C'. velutinus, 1. sp. (Pl. II, f. 9).
lilongatus, piceo-niger, suprit piceo-testacens, dense flavor-rufosericens; thorace sat transverso, medio canaliculato, utringue fortiter impresso ; elytris ofsolete hicnstatis ; abdomine eyanennigro. Itong, $5 \frac{1}{2}$ lin.

Rather shorter and broader than the preceding, thorax more transverse, and with the ridge which divides the lateral impression much more directed forwards: rostrum almost none, i.f.. the space between the antennal pit and the base of the mandille is less than half the diameter of the pit, whilst in C. ruber this space is quite equal to the diameter of the antemal pit. Third joint of the antemm as long as the first, as long as its greatest width, oblipuely troncate at the apex, the fourth joint as long as the two preceding together, a little longer than broad, rery little narrowed at the base, straight at the apex, the fifth to tenth about the same length as the fourth, but gradually diminishing in width, scarcely oblique at the apex, their lower anterior angle a little less than a right angle, eleventl joint, mich narrower, longer, parallel, acuminate at the apex. Thoras $\frac{1}{6}$ broader than long, a little narrowed in front, dise comex, with a rather fine mesial chamel, the sides deeply impressed, the usmal obligue ridge rery much directed forwards, ahosit parallel with the lateral margin. Elytra very gradually and rery little enlarged posteriorly, each with two narrow litile raised costax, with an indication of a third.

Hab. Burmah (J. C. Bowring, Eisq.). Brit. Mins.
C'. cietitus, n. sp. (Pl. II, f. 10).

Elongatus, postice pamlo ampliatus, niger ; vix cymescens: thorace nigro (vel rubro), tenaissime rubro-sericeo; elytris rufo-testaceis, dense rufo-sericeis, hicostatis, apice nigro. of Long. 3-4 lin. of Long. 5-6 lin.
of Antenne about $\frac{2}{3}$ the length of the elytra, moderately hroad in the middle, tapering to the apex. Rostrum extremely short, the space between the antennal pit and the base of the mandible about $\frac{1}{3}$ the diameter of the antemal pit. Thorax black, delicately clothed with very fine silky-red pubescence, only visible in certain lights, discoidal channel rather deep, lateral impressions deep and well defined. Sentellum black. Elytra clothed with bright red pubescence; each elytron with two not very prominent costr ; the apex black. Under side and legs black, scarcely tinged with blue. Penultimate segment of alodomen emarginate.
of Antenna rather shorter and broader than in the male. Rostrum a little more prominent, the space between the antennal $p^{\text {in }}$ and the base of the mandible ahout $\frac{1}{2}$ the diameter of the pit. Thorax reddish-yellow, with the sites and mesial hine black. Each elytron with three distinct costa, the apex broadly hack.
litr. \& . Thorax entively red, pubescence more dense. Elytra licostate, the costa narrower.

Hab. Penang (.j. C. Bowring, Eiq.). Brit. Mus.

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\text { (. Itpuilus, n. ip' (I'l. II, f. } 11 \text { ). }
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('aroleus, nitidns: thorace vix hrevissime pubescenti : disco longitndinaliter fortiter impresso, lateribus biimpressis; elytris piceo-testaceis, dense fulvo-rufo-pubescentibus, striis rix perspinue impressis, apice anguste nigro: antemis pediluspue violaceis. Long. $3 \frac{1}{2}-\frac{1}{2}$ lin.

A more slenter speries than any of the preceding. ant distinct hy the beantiful shining blue thoma and volet antenna. The anterior angles of the thorax are much deflexed and, consequently, do not show the margin so distinctly ; the dise has mot a fine mesial line, but a deep longitudinal impression; the lateral fosse are deep, but the obligue ridge which divides them is not so well defined as in most of the species.
o Antenna rather slender. Elytra with searecly any trace uf costa. Penultimate segment of ablomen with a deep incision.
\& Antenne very slightly dilated. Thorax more namowed in fiont. Elytra bicostate.
llah. Java ( $\ddagger$ ), Penang ( $q$ ), (J. C. Buwring, Bisf.). Brit. Mlas.

The two examples are from difterent localities, lut as they andee so well in general character, I have ventured to assuciate them as sexes.

> (.. Inmipermis, n. sp. (Pl. II, f. 12).

Liongatus, sub-parallehis, niger : thorace supra piceo, dense rufo-pubescente, merlio foveolà lanceolata impresso, lateribus himpnessis ; scutello piceo, rufo-pubescente ; elytris longissimin, dense rufo-puhescentibus, apice nigris, singulis 2 - vel :3-costatis, costis angustioribus of Long $6 \frac{1}{1}$ lin., lat. $1 \frac{ \pm}{5}$ lin.

Forehead erenly convex, black, wery finely pulesemt, rostrmm about three times as broad as long: maxillary palpi very stout. Antemax $\frac{3}{4}$ the length of the elytra, eompressed, third joint ahout twiee as long as broad, emarginate at the apex, the lourth to mintly joints alonet equal in length, the lower anterior ansere oblitpucly and much prownexd. increasingly so as they appored the apex, the tenth joint vory oblighe, a little
smaller than the ninth, the eleventh compressed fusiform. Thorax a liitle broader than long, somewhat narrowed in front, all the angles distinct but obtuse, densely clothed with bright red pubescence, disc convex, with a deep lanceolate fovea nearly reaching from the anterior to the posterior margins. Elytra very long, densely clothed with bright red pubescence, the apex black: each with three not very distinct narrow costa, the outer one very obsolete.

Hal. Sumatra (E. C. Buxton, Esq.). Brit. Mus.
*** Intermediate coxar (in the male) with a strong spine; base of femur with a strong tooth ; tibia curved.
C. disymer, n. sp. (Pl. II, f. 13).
('yaneo-niger, sat nitidus; elongatus, parum convexus ; thorace marginato, medio canaliculato, utrinque biimpresso: elytris rufis, dense pubescentibus, postice paulo ampliatis. Long. 6 lin.

This species has somewhat the appearance of C. orbatus, but has the elytra more ample behind, less bhutly rounded at the apex, and the thorax is margined all round. The antenne are nearly as long as the elytra, not very approximate at their base. ('lypens gently emarginate. Intermediate coxe with a strong acnte spine; the femme with a strong tooth near their base; the intermediate and posterior tibia strongly curved. The penultimate segment of the abdomen is deeply notched in the middle.

Hab. Borneo. Brit. Mus.


[^0]:    * O. macmicollis and U. Vimeaterollis. Hope. 1.e.. are Throphoridue. U. lineatus. Hore, is at prespnt unknown to me.

[^1]:    * The portion of the head which is in front of the insertion of the antenne, not strictly a rostrum in this gemns. but I use the word as a convenient one.

